

1	WITH MEASURING, TESTING OR INSPECTING	38	..Organic material
2	..Of temperature or pressure	39	WITH DISPARATE PHYSICAL SEPARATION
3	..Of concentration	40	..Of entrained particles from a vapor or gas
4	INCLUDING PURGING OF THE SYSTEM	41	..Utilizing solid sorbent
5	SEPARATING ISOTOPES OR TAUTOMERS	42	..Utilizing liquid sorption of component from gas or vapor
6	ADDITION OF MATERIAL TO DISTILLAND TO INHIBIT OR PREVENT REACTION OR TO STABILIZE	43	..Utilizing liquid-liquid extracting of distillation product
7	..For scale inhibiting or corrosion preventing	44	..Of distillate
8	..For inhibiting or preventing a polymerization reaction	45	...And distilling raffinate phase
9	..Of unsaturated hydrocarbon	46	...And distilling extractant phase
10	WATER PURIFICATION ONLY	47	..Utilizing removing solid from liquid
11	..Under pressure or vacuum	48	..By crystallizing
12	DISTILLING TO SEPARATE OR REMOVE ONLY WATER	49	CONVECTIVE DISTILLATION WITH NORMALLY GASEOUS MEDIUM, E.G., AIR
13	..From nitric acid	50	ADDING MATERIAL TO DISTILLAND EXCEPT WATER OR STEAM PER SE
14	..From organic compound	51	..At least two materials
15	..Organic acid	52	..Mixtures of hydrocarbons
16	...Acetic	53	..One material is water
17	..Aldehyde or ketone	54	...A second material is aldehyde or ketone
18	..Alcohol	55	...A second material is an alcohol
19	...Ethanol	56	..One additive an alcohol or ether
20	INCLUDING DEFOAMING OR INHIBITING FOAM	57	..Organic compound
21	AND RECOVERING HEAT BY INDIRECT HEAT EXCHANGE	58	..Heterocyclic
22	..Utilizing recovered heat for heating feed	59	..Amine
23	..Distillation residue as heat source	60	..Ester
24	..Compressed vapor as heat source	61	..Acid
25	..Utilizing recovered heat for heating the distillation zone	62	..Aldehyde or ketone
26	..Compressed vapor as heat source	63	..Alcohol or ether
27	..Utilizing recovered heat in subsequent step in process	64	...Polyhydroxy alcohol or ether derivative thereof
28	WITH CHEMICAL REACTION	65	...Hydroxy aromatic (e.g., Phenol)
29	..Including step of adding catalyst or reacting material	66	...Methanol
30	..For polymerizing unwanted component	67	..Halogenated hydrocarbon
31	..Oxidizing material	68	..Hydrocarbon
32	..Reducing material	69	...Aromatic
33	..Inorganic salt containing oxygen in the anion	70	...Acyclic
34	..Acid	71	PLURAL DISTILLATIONS PERFORMED ON SAME MATERIAL
35	...Phosphoric or sulfuric acid	72	..One a filming distillation
36	..Alkaline oxide or hydroxide	73	..One a distillation under positive pressure or vacuum
37	...Alkali metal hydroxide		

74 ..Distillation of initial
distillate

75 ...And return of distillation
product to a previous
distillation zone

76 ...Including the addition of
water or steam

77 ...Initial distillation under
positive pressure or vacuum

78 ..And returning distillation
product to a previous
distillation zone

79 ..Including the addition of water
or steam

80 ..Initial distillation under
positive pressure or vacuum

81 .Distillation of initial
distillate

82 ..And returning distillation
product to a previous
distillation zone

83 ..Including the addition of water
or steam

84 .And returning distillation
product to a previous
distillation zone

85 .Including the addition of water
or steam

86 **DISTILLATION IN APPARATUS OR
ELEMENT OF SPECIFIC MATERIAL**

87 **WITH FRACTIONAL CONDENSATION OF
VAPOR OUTSIDE STILL**

88 **FLASH VAPORIZATION OF DISTILLAND**

89 **FILMING OF DISTILLAND FOR
VAPORIZATION**

90 **SPRAYING OF DISTILLAND INTO
VAPORIZATION ZONE**

91 **VAPORIZATION ZONE UNDER POSITIVE
PRESSURE OR VACUUM**

92 .Including the addition of water
or steam

93 ..And returning product of
distillation step to
distillation zone

94 .And returning product of
distillation step to
distillation zone

95 **INCLUDING ADDITION OF WATER OR
STEAM**

96 .To distillation column

97 .And returning product of
distillation step to
distillation zone

98 **AND RETURNING PRODUCT OF
DISTILLATION STEP TO
DISTILLATION ZONE**

99 **MISCELLANEOUS SEPARATORY**

CROSS-REFERENCE ART COLLECTIONS

100 **PARTICULAR TYPE OF HEATING**

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG 1 **SOLAR STILL**

DIG 2 **LABORATORY DISTILLATION**

DIG 3 **ACRYLONITRILE**

DIG 4 **HEAT PUMP**

DIG 5 **HUMAN WASTE**

DIG 6 **REACTOR-DISTILLATION**

DIG 7 **START UP OR SHUT DOWN**

DIG 8 **WASTE HEAT**

DIG 9 **PLURAL FEED**

DIG 10 **VINYL ACETATE**

DIG 11 **BATCH DISTILLATION**

DIG 13 **SPIRITS**

DIG 14 **EJECTOR-EDUCTOR**

DIG 16 **COMBINATION**

DIG 17 **SALINE WATER CONVERSION**

DIG 18 **CONTROL**

DIG 19 **SIDESTREAM**

DIG 20 **POWER PLANT**

DIG 21 **ACRYLIC ACID OR ESTER**

DIG 22 **ACCESSORIES**

DIG 23 **METHANOL**

DIG 24 **MOBILE, MARINE DISTILLER**

DIG 25 **NON-DISTILLING BOTTOMS TREATMENT**